



1600

**RAW SEQUENCE LISTING**  
 PATENT APPLICATION: US/09/368,989

DATE: 07/14/2003  
 TIME: 14:12:41

Input Set : N:\EBONY'S\368989.txt  
 Output Set: N:\CRF4\07142003\I368989.raw

**SEQUENCE LISTING**

5 (1) GENERAL INFORMATION:  
 6     (i) APPLICANT: Fred J. Stevens  
 7                         Marianne Schiffer  
 8                         Priscilla Wilkins-Stevens  
 9                         W. Carey Hanly  
 10                        Sandra L. Tollaksen  
 11     (ii) TITLE OF INVENTION: DEVICE FOR DETECTING MOLECULES, METHOD FOR  
 12                         DETECTING MOLECULES  
 13     (iii) NUMBER OF SEQUENCES: 5  
 14     (iv) CORRESPONDENCE ADDRESS:  
 15         (A) ADDRESSEE: CHERSKOV & FLAYNIK  
 16         (B) STREET: 20 N. Wacker Drive  
 17         (C) CITY: Chicago  
 18         (D) STATE: Illinois  
 19         (E) COUNTRY: United States  
 20         (F) ZIP: 60606  
 21     (v) COMPUTER READABLE FORM:  
 22         (A) MEDIUM TYPE: compact disc  
 23         (B) COMPUTER: PC  
 24         (C) OPERATING SYSTEM: Microsoft Windows XP  
 25         (D) SOFTWARE: Wordperfect  
 26     (vi) CURRENT APPLICATION DATA:  
 C--> 27         (A) APPLICATION NUMBER: US/09/368,989  
 C--> 28         (B) FILING DATE: 05-Aug-1999  
 29     (viii) ATTORNEY/AGENT INFORMATION:  
 30         (A) NAME: Cherskov, Michael J.  
 31         (B) REGISTRATION NUMBER: 33,664  
 32         (C) REFERENCE/DOCKET NUMBER: 0003/00332  
 33     (ix) TELECOMMUNICATION INFORMATION:  
 34         (A) TELEPHONE: (312) 621-1330  
 35         (B) TELEFAX: (312) 621-0088

*dr m/s*  
 Does Not Comply  
 Corrected Diskette Needed

**ERRORED SEQUENCES**

38 (2) INFORMATION FOR SEQ ID NO: 1:  
 39     (i) SEQUENCE CHARACTERISTICS:  
 40         (A) LENGTH: 111 amino acids  
 41         (B) TYPE: amino acid  
 42         (C) STRANDEDNESS: Single  
 43         (D) TOPOLOGY: linear  
 44     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

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46 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Pro  
47 1 5 10 15  
49 Gly Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Asn Leu Leu  
E--> 50 20 20 25 25 30 30  
52 Asp Ala Ser Phe Asp Thr Asn Thr Leu Ala Trp Tyr Gln Gln Lys  
E--> 53 35 40 45  
55 Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Ser Arg  
E--> 56 50 55 60  
58 Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr  
E--> 59 65 70 75  
61 Asp Phe Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr  
E--> 62 80 85 90  
64 Tyr Cys Gln Gln Tyr Tyr Ser Thr Pro Tyr Ser Phe Gly Gln Gly  
E--> 65 95 100 105  
67 Thr Lys Leu Glu Ile Lys  
E--> 68 110

*Misaligned amino acid numbers (see item 3 on Error summary sheet)*

71 (2) INFORMATION FOR SEQ ID NO: 2  
72 (i) SEQUENCE CHARACTERISTICS:  
73 (A) LENGTH: 111 amino acids  
74 (B) TYPE: amino acid  
75 (C) STRANDEDNESS: Single  
76 (D) TOPOLOGY: linear  
77 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
79 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu  
80 1 5 10 15  
82 Gly Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu  
E--> 83 20 25 30  
85 Tyr Ser Ser Asn Ser Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys  
E--> 86 35 40 45  
88 Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg  
E--> 89 50 55 60  
91 Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr  
E--> 92 65 70 75  
94 Asp Phe Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr  
E--> 95 80 85 90  
97 Tyr Cys Gln Gln Tyr Tyr Ser Thr Pro Tyr Ser Phe Gly Gln Gly  
E--> 98 95 100 105  
100 Thr Lys Leu Glu Ile Lys  
E--> 101 110

104 (2) INFORMATION FOR SEQ ID NO: 3  
105 (i) SEQUENCE CHARACTERISTICS:  
106 (A) LENGTH: 111 amino acids  
107 (B) TYPE: amino acid  
108 (C) STRANDEDNESS: Single  
109 (D) TOPOLOGY: linear  
110 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
112 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu  
113 1 5 10 15  
115 Gly Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu

RAW SEQUENCE LISTING  
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Input Set : N:\EBONY'S\368989.txt  
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E--> 116                    20                    25                    30  
 118 Tyr Ser Ser Asn Ser Thr Asn Tyr Leu Ala Trp Tyr Gln Gln Lys  
 E--> 119                    35                    40                    45  
 121 Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg  
 E--> 122                    50                    55                    60  
 124 Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr  
 E--> 125                    65                    70                    75  
 127 Asp Phe Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr  
 E--> 128                    80                    85                    90  
 130 Tyr Cys Gln Gln Tyr Tyr Ser Thr Pro Tyr Ser Phe Gly Gln Gly  
 E--> 131                    95                    100                    105  
 133 Thr Lys Leu Glu Ile Lys  
 E--> 134                    110

137 (2) INFORMATION FOR SEQ ID NO: 4:

138 (i) SEQUENCE CHARACTERISTICS:  
 139         (A) LENGTH: 111 amino acids  
 140         (B) TYPE: amino acid  
 141         (C) STRANDEDNESS: Single  
 142         (D) TOPOLOGY: linear

143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

145 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu  
 146         1                 5                 10                 15

148 Gly Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu

E--> 149                    20                    25                    30  
 151 Tyr Ser Ser Asn Ser Lys Asn Tyr Leu Ala Trp Tyr Gln Glu Lys  
 E--> 152                    35                    40                    45  
 154 Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg  
 E--> 155                    50                    55                    60  
 157 Glu Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr  
 E--> 158                    65                    70                    75  
 160 Asp Phe Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr  
 E--> 161                    80                    85                    90  
 163 Tyr Cys Gln Gln Tyr Tyr Ser Thr Pro Tyr Ser Phe Gly Gln Gly  
 E--> 164                    95                    100                    105  
 166 Thr Lys Leu Glu Ile Lys  
 E--> 167                    110

170 (2) INFORMATION FOR SEQ ID NO: 5:

171 (i) SEQUENCE CHARACTERISTICS:  
 172         (A) LENGTH: 111 amino acids  
 173         (B) TYPE: amino acid  
 174         (C) STRANDEDNESS: Single  
 175         (D) TOPOLOGY: linear

176 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

178 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu  
 179         1                 5                 10                 15

181 Gly Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu

E--> 182                    20                    25                    30  
 184 Tyr Ser Ser Asn Ser Lys Asn Tyr Leu Ala Trp Tyr Gln Glu Lys  
 E--> 185                    35                    40                    45

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187	Pro	Gly	Gln	Pro	Pro	Lys	Leu	Leu	Ile	Tyr	Trp	Ala	Ser	Thr	Arg
E--> 188				50					55					60	
190	Glu	Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr
E--> 191					65				70					75	
193	Asp	Phe	Thr	Ile	Ser	Ser	Leu	Gln	Ala	Glu	Asp	Val	Ala	Val	Tyr
E--> 194					80				85					90	
196	Tyr	Cys	Leu	Gln	Tyr	Tyr	Ser	Thr	Pro	Tyr	Ser	Phe	Gly	Gln	Gly
E--> 197					95					100				105	
199	Thr	Lys	Leu	Glu	Ile	Lys									
E--> 200					110										

VERIFICATION SUMMARY DATE: 07/14/2003  
PATENT APPLICATION: US/09/368,989 TIME: 14:12:42

Input Set : N:\EBONY'S\368989.txt  
Output Set: N:\CRF4\07142003\I368989.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:50 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1  
M:332 Repeated in SeqNo=1  
L:83 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2  
M:332 Repeated in SeqNo=2  
L:116 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3  
M:332 Repeated in SeqNo=3  
L:149 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4  
M:332 Repeated in SeqNo=4  
L:182 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5  
M:332 Repeated in SeqNo=5